

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 1

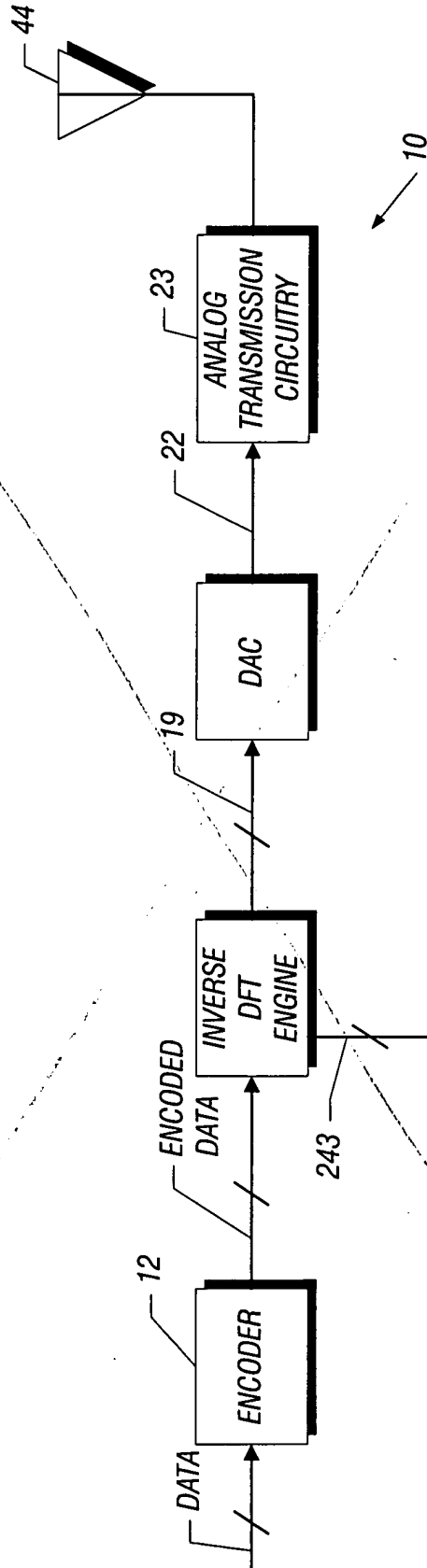
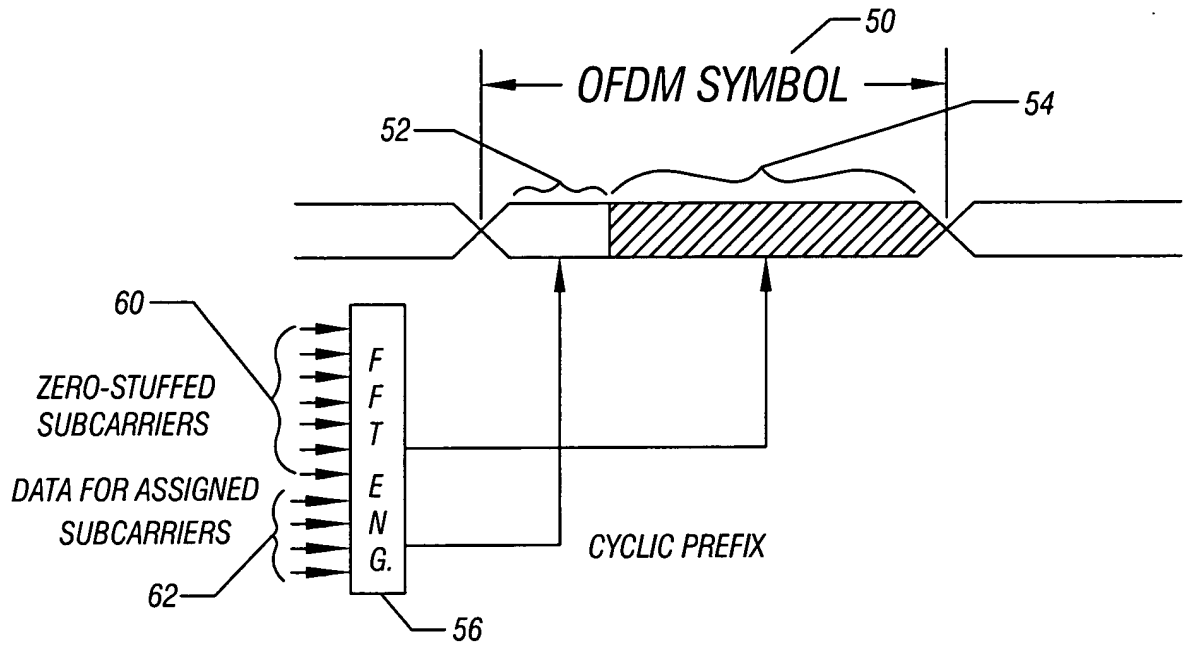
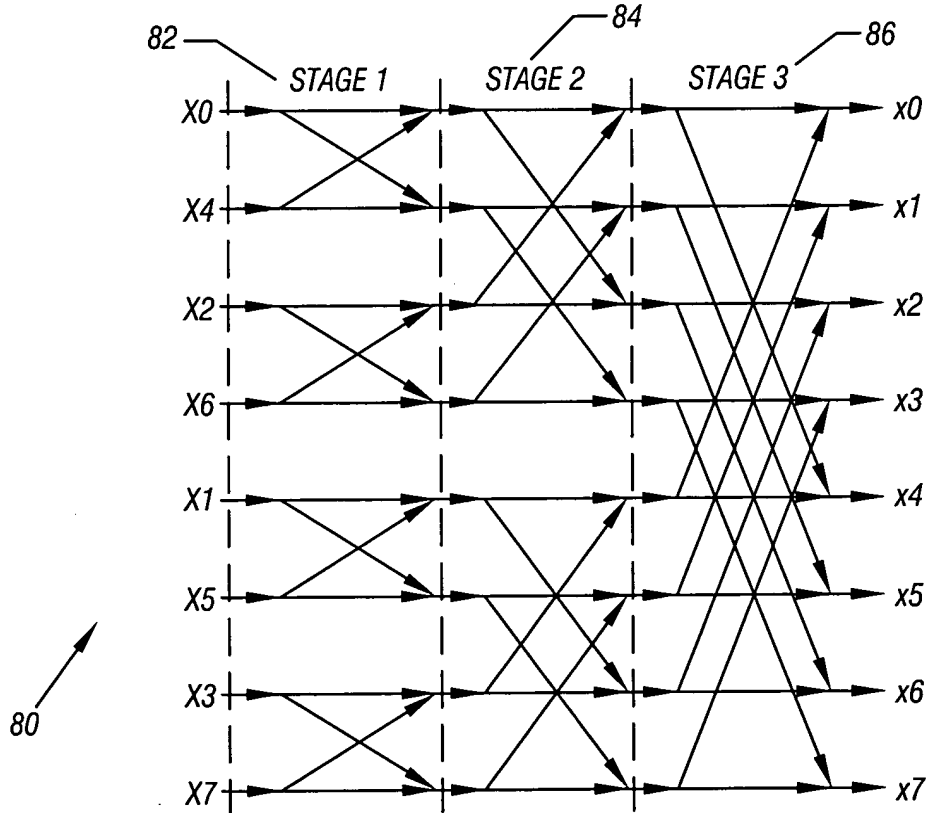


FIG. 1

*Revised*



**FIG. 2**  
**(PRIOR ART)**



**FIG. 3**  
**(PRIOR ART)**

FIG. 2 (PRIOR ART)

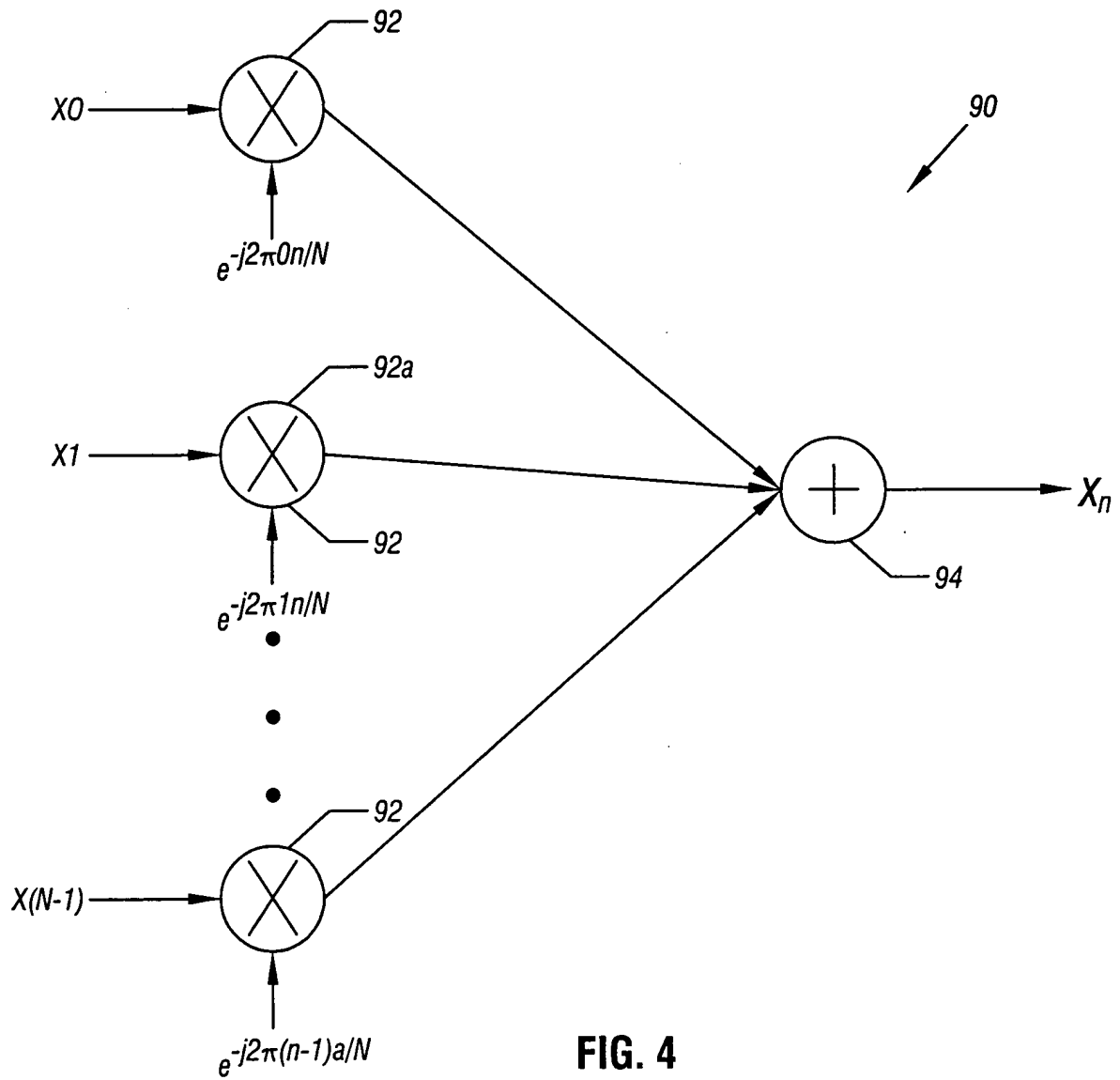


FIG. 4

2025 RELEASE UNDER E.O. 14176

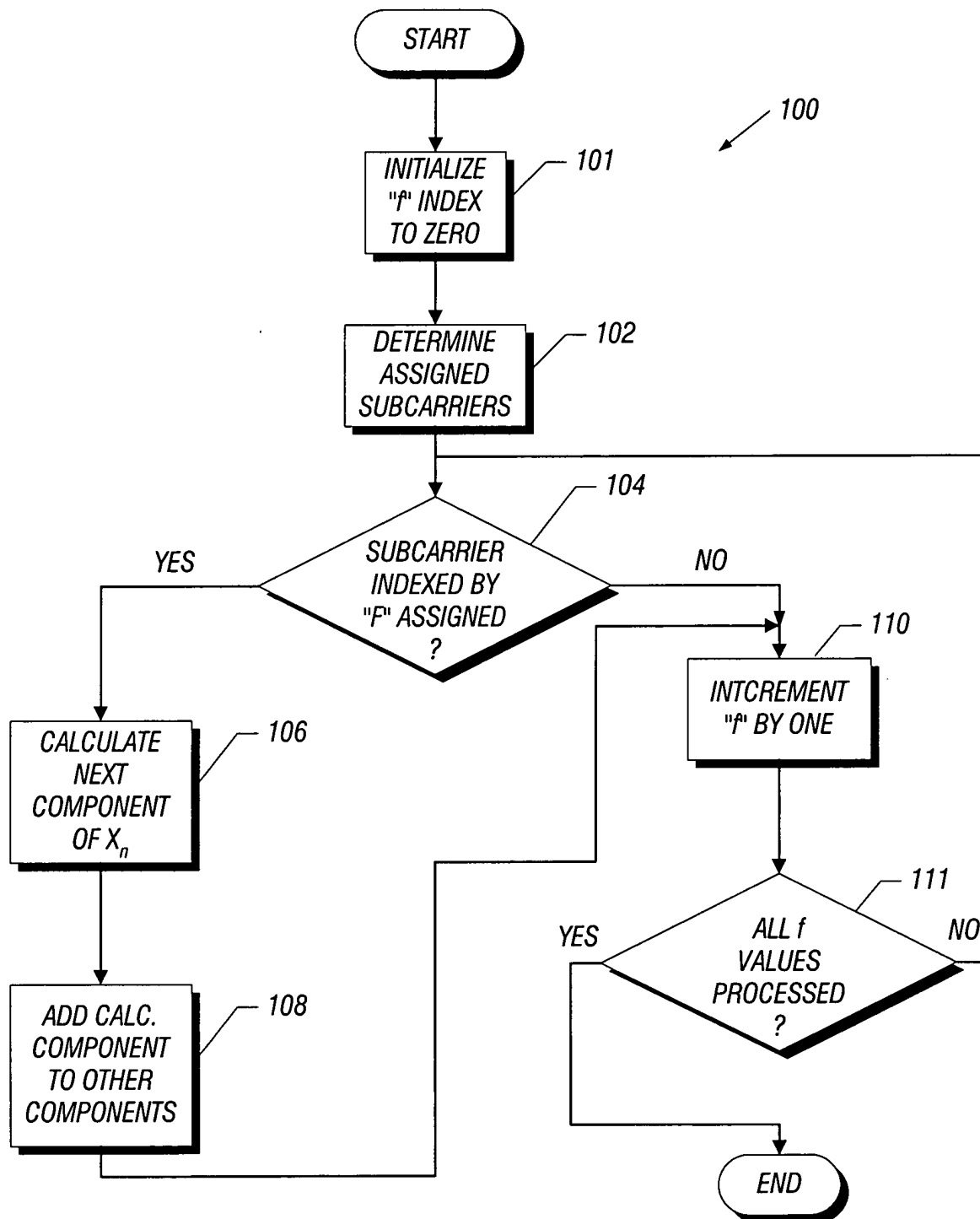
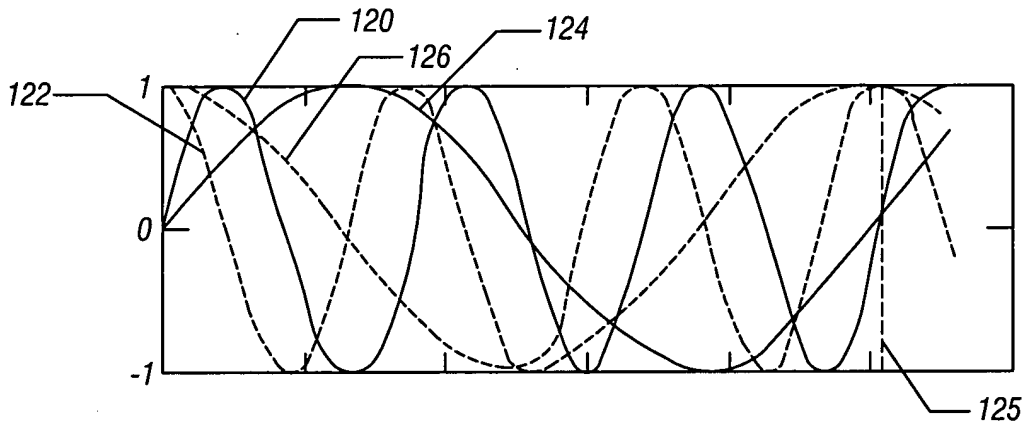


FIG. 5

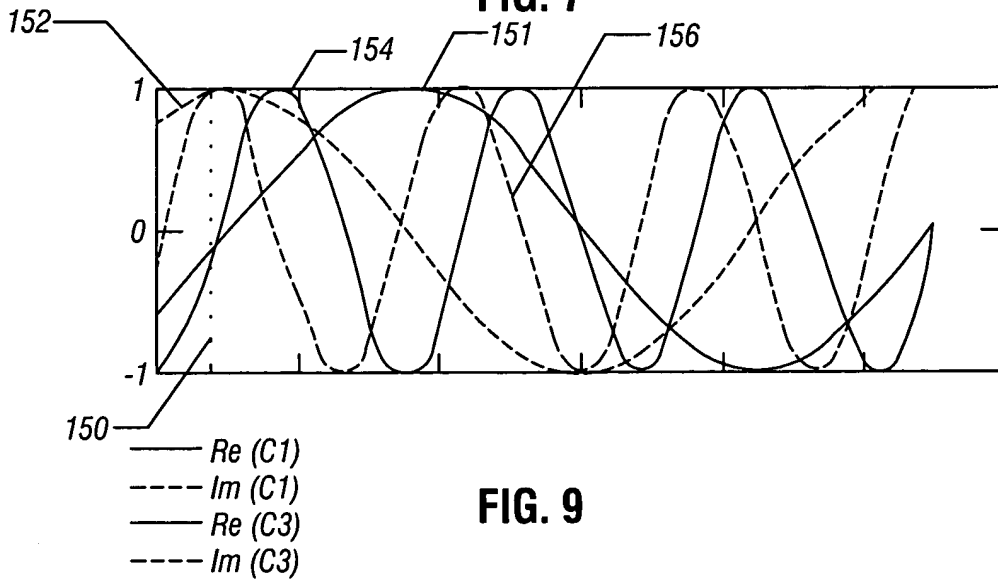
112

113	114	116
TOTAL NO. OF SUBCARRIERS (N)	PROCESSING REQUIRED FOR FFT $N \log_2(N)$	EQUIVALENT SUBCARRIERS USING DFT
16	64	4
32	160	5
64	384	6
128	896	7
256	2048	8
512	4608	9
1024	10240	10
2048	22530	11
4096	49150	12

**FIG. 6**



**FIG. 7**



**FIG. 9**

150

—  $Re(C1)$   
 ---  $Im(C1)$   
 —  $Re(C3)$   
 ---  $Im(C3)$

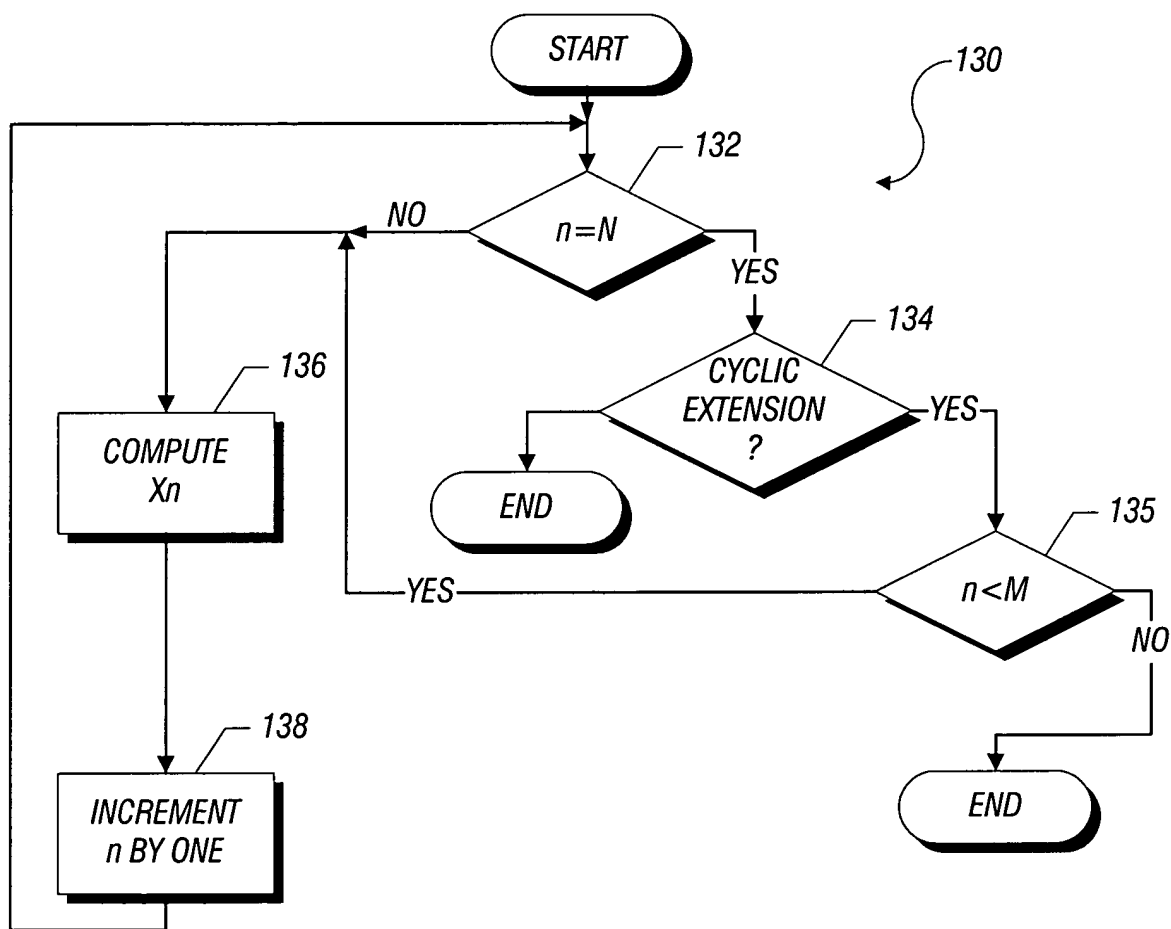


FIG. 8

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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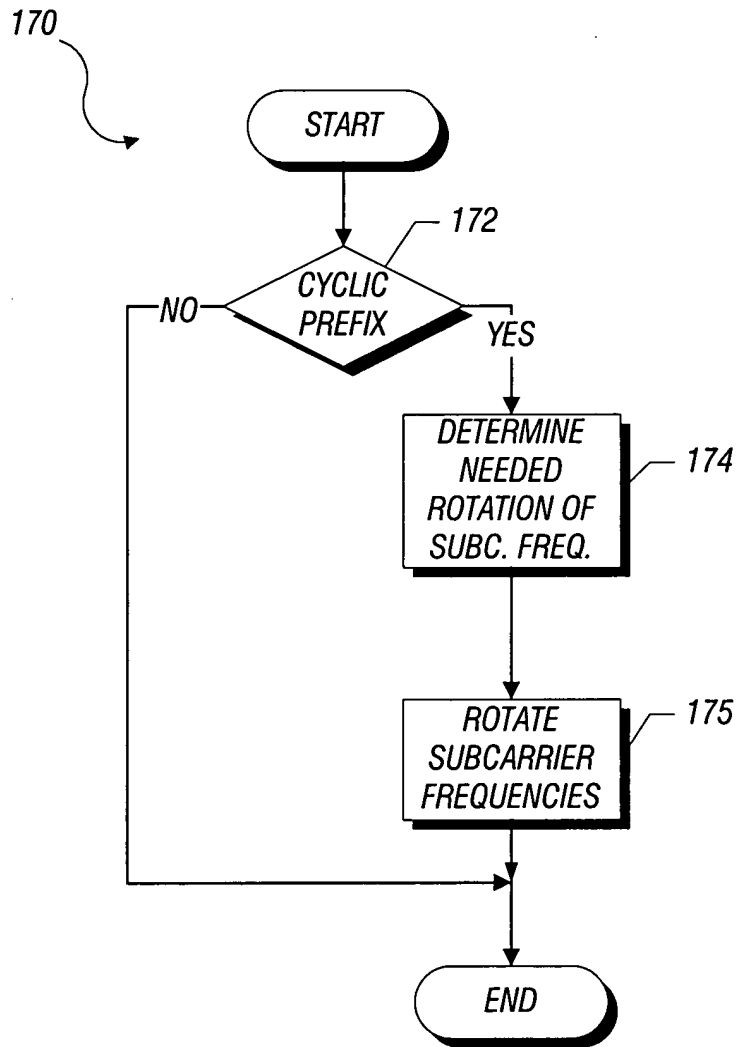


FIG. 10

00513-091704  
TOP SECRET

FIG. 11

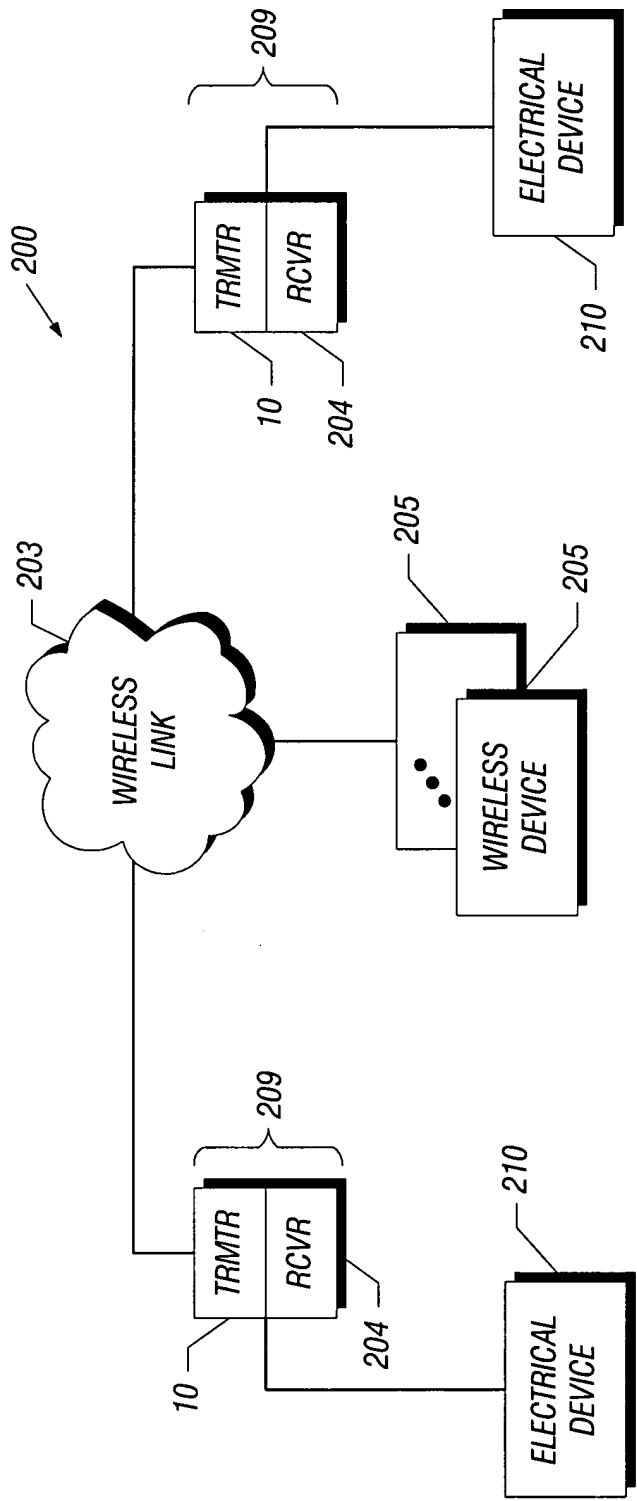


FIG. 11